

**DCTD** Division of Cancer Treatment  
and DiagnosisPoly (ADP-Ribose) (PAR) Immunoassay Reagent Request Form**Clinical Investigator Information**

Clinical Trial PI

Full Name:

*Last**First**M.I.*

Title:

Institution:

Address:

*Street Address**Unit # (Suite, Rm)**City**State**ZIP Code*

Primary Phone:

( )

Alternate Phone: ( )

E-mail Address:

**Clinical Trial Information**

Title:

NCT Protocol ID:

CTEP Protocol ID:

Internal Protocol ID:

NCI Grant/Contract

Number Supporting Trial:

Lab Site of Assay:

Lab Supervisor:

Lab Technician:

PAR Assay Certificate Number:

Issue Date:

**Number of PAR Immunoassay Reagent Packs Requested***(each reagent pack is sufficient for three 96-well ELISA plates—See Page 3)***Justification for Number of Packs Being Requested** (e.g., anticipated accrual x sampling design of the trial):**Shipping Contact and Address**

Full Name:

*Last**First**M.I.*

Institution:

Address:

*Street Address**Unit # (Suite, Rm)**City**State**ZIP Code*

Primary Phone:

( )

Alternate Phone: ( )

E-mail Address:

Comments:

For Internal Use Only

<b>Date of Request</b>		<b>Number of Reagent Packages Requested</b>	
<b>Date of Shipment</b>		<b>Number of Reagent Packages Shipped</b>	
<b>Batch Number of Pack</b>		<b>Express Mail Tracking Number</b>	
<b>Comments</b>			
<b>DCTD Approval Signature</b>			
<b>NCTVL Shipper Signature</b>			

## Qualified Reagent Pack Poly (ADP-Ribose) (PAR) Immunoassay

**Description:** Each pack contains vials of qualified critical reagents, standards, and controls to ensure valid measurement of PAR levels in tissue or isolated cells when following the DCTD-approved SOPs for the PAR Immunoassay (see DCTD Biomarkers at <http://dctd.cancer.gov>). Sufficient material is provided in single-use or multi-use vials (noted below) to perform three 96-well PAR Immunoassays. The reagents in the pack are matched to each other's performance, and therefore must only be used together to perform a valid assay. The individual reagents from different batches of packs cannot be used together.

PAR polymer standard, tumor lysate control, HRP goat anti-rabbit polyclonal antibody, 96-well plates, and plate sealers are stable for up to 1 year when stored as specified. Anti-PAR monoclonal and polyclonal antibodies and chemiluminescent substrate are stable for only 3 months. Therefore, it is expected that additional qualified anti-PAR monoclonal and polyclonal antibodies and chemiluminescent substrate will be requested every 3 months. Other replacement reagents can be provided as needed.

Item	Reagent Name	Description	Storage Conditions	Number of Vials
1	PAR Polymer Standard:	Purified PAR polymer of known concentration to set up standard curve.	-80°C	3 Single-use
2	Tumor Lysate Control:	Cultured tumor cell extract with known concentration of PAR.	-80°C	3 Single-use
3	Anti-PAR Monoclonal:	Capture anti-PAR mouse monoclonal antibody that binds PAR molecules in crude extracts.	-20°C	3 Single-use
4	Anti-PAR Polyclonal:	Second anti-PAR rabbit polyclonal antibody to sandwich the PAR-containing antigens.	-20°C	3 Single-use
5	HRP Goat Anti-Rabbit Polyclonal:	HRP (horseradish peroxidase) enzyme-linked detection antibody that binds to the anti-PAR polyclonal antibody.	4°C to 8°C	1 Multi-use
6	Chemiluminescent Substrate: Pico-Stable Peroxide and Luminol/Enhancer Solutions	Luminescent substrate solution for quantifying PAR antibody signal. The HRP enzyme uses this substrate and hydrogen peroxide to produce a product that emits light that can be measured using enhanced chemiluminescence.	Room temperature	1 set Multi-use
7	Reacti-Bind White Opaque 96-well Plate and Acetate Plate Sealers:	Optically clear polystyrene 96-well plates with high antibody-binding surface.	Room temperature; away from volatiles	3 Single-use

An NCTVL Proficiency Panel with known PAR levels for laboratory training and validation runs is available upon request.